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[Min Wang, Marion Blount, John Davis, Archan Misra, Daby Sow](#)
 June 2007 HealthNet '07: Proceedings of the 1st ACM SIGMOBILE international conference on Systems and networking support for healthcare and assisted environments

Publisher: ACM

Full text available: [Pdf](#) (447.56 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 103, Citation

Provenance becomes a critical requirement for healthcare IT infrastructure when pervasive biomedical sensors act as a source of raw medical stream data at scale, automated clinical decision support systems. Medical and legal re

Keywords: data streams, medical sensors, provenance

2 [An integrated wireless sensing and mobile processing architecture for living and healthcare applications](#)

[S. Dagtas, Y. Natcheloi, H. Wu](#)
 June 2007 HealthNet '07: Proceedings of the 1st ACM SIGMOBILE international conference on Systems and networking support for healthcare and assisted environments

Publisher: ACM

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In this paper we present a wireless solution for monitoring people in need of assistance. The application relies on the use of cell phones and inexpensive sensors and is best suited for the elderly and home-bound people. The main fun

Keywords: ZigBee, elderly care, measurement collection model, mobile wireless sensors

3 [A service oriented architecture for wireless sensor and actor network](#)
[Jaco M. Prinsloo, Christian L. Schulz, Derrick G. Kourie, W. H. Morkel Theunissen, Roel Van Den Heever, Sybrand Grobbelaar](#)

October 2006 SAI CSIT '06: Proceedings of the 2006 annual research conference of the South African institute of computer scientists and information scientists on IT research in developing countries

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The emergence of Wireless Sensor and Actor Networks (WSAN) has contributed significantly to the progress of ubiquitous and pervasive computing, but introduced new challenges. The authors researched this technology and to real-world ...

Keywords: OSGi, management system, service oriented architecture, and actor networks

4 [Integrating the visualisation reference model with ecological interface](#)

 [Connor Upton, Gavin Doherty](#)

August 2007 ECCE '07: Proceedings of the 14th European conference on Cognitive ergonomics: invent! explore!

Publisher: ACM


Full text available:  Pdf (523.83 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 31, Citation (

Motivation -- In some situations EID's high-level visual design principles are difficult to apply. A more concrete design methodology would make them more accessible for interface designers. Research approach -- Graphical


Keywords: ecological interface design, task models, visualisation

5 [Shadow configuration as a network management primitive](#)

 [Richard Alimi, Ye Wang, Y. Richard Yang](#)

August 2008 SIGCOMM '08: Proceedings of the ACM SIGCOMM 2008 conference on communication

Publisher: ACM

Full text available:  Pdf (1.05 MB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 164, Citation (


Configurations for today's IP networks are becoming increasingly complex. Configuration management is becoming a major cost factor for network configuration errors are becoming a major cause of network disruptions

Keywords: network diagnostics, network management

Also published in:

October 2008 SIGCOMM Computer Communication Review Volume 38 Issue


6 [On the relative importance of privacy guidelines for ambient health c](#)

 [Evelien van de Garde-Perik, Panos Markopoulos, Boris de Ruyter](#)

October 2006 NordiCHI '06: Proceedings of the 4th Nordic conference on Human computer interaction: changing roles

Publisher: ACM

Full text available:

 [Pdf](#) (340.01 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 92, Citation (

We present an empirical study regarding the relative importance of com
privacy related guidelines in the context of a Health Monitoring System.
were confronted with text scenarios describing privacy related aspects c


Keywords: ambient intelligence, fair information practices, privacy guid

7 [Safe automatic flight back and landing of aircraft flight reconfiguration \(FRF\)](#)

 [Juan Alberto Herrería García](#)

March 2008 DATE '08: Proceedings of the conference on Design, automatic
Europe


Publisher: ACM

Full text available:  [Pdf](#) (302.07 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 12, Citation (

SOFIA (Safe Automatic Flight Back and Landing of Aircraft) project is a
challenge of developing concepts and techniques enabling the safe and
return to ground in the event of hostile actions. Activities in this sense f

8 [Living assistance systems: an ambient intelligence approach](#)

 [Jürgen Nehmer](#), [Martin Becker](#), [Arthur Karshmer](#), [Rosemarie Lamm](#)

May 2006 I CSE '06: Proceedings of the 28th international conference on S
engineering

Publisher: ACM


Full text available:  [Pdf](#) (587.72 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 364, Citatio

In this paper, we present an integrated system concept for the living as
domain based on ambient intelligence technology and discuss the result
for the software engineering discipline. Automated living assistance syst
represent ...

Keywords: adaptivity, ambient intelligence, assisted living, elderly care
systems

9 [Requirements and design spaces of mobile medical care](#)

 [Prajakta Kulkarni](#), [Yusuf Öztürk](#)



July 2007 SIGMOBILE Mobile Computing and Communications Review
Issue 3

Publisher: ACM

Full text available:  [Pdf](#) (746.73 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)



Bibliometrics: Downloads (6 Weeks): 61, Downloads (12 Months): 725, Citatio

Pervasive care and chronic disease management to reduce institutional
priority for most western countries. The realization of next generation u
pervasive healthcare systems will be a challenging task, as these syster

- 10 [Simplifying home health monitoring by incorporating a cell phone in a](#)
 [Thomas G. Zimmerman, Keng-hao Chang](#)
 July 2008 PETRA '08: Proceedings of the 1st international conference on P
 Technologies Related to Assistive Environments
 Publisher: ACM
 Full text available:  [Pdf](#) (362.27 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)
 Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 26, Citation

The overweight under-exercised aging baby-boom generation is creating
 of chronic diseases that is placing a tremendous burden on the health c
 Frequent monitoring and contact between a patient and health care pro
 help ...

Keywords: cell phone, chronic disease management, embedded system
 monitoring, wireless





- 11 [Power efficient multi-band contextual activity monitoring for assistive](#)
 [A. L. Praveen Aroul, Achutan Manohar, Dinesh Bhatia, Leonardo Estevez](#)
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 Publisher: ACM
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The advancement in technology for patient monitoring and smart living
 is making a huge impact on providing health care for the elderly and ne
 An energy efficient context aware system for sensing and reporting eve

Keywords: RFID, ZigBee, battery life, contextual sensing, low power R
 monitoring, tele-medicine, wireless sensor network

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